## Isolated Ordered Regions (IOR) Node Order

## **Abstract**

Method for ordering nodes within hierarchical data. The concept of isolated ordered regions to maintain coordinates of nodes is used by associating each node with coordinates relative to a containing region. Modifications to nodes within a region only affect the nodes in that region, and not nodes in other regions. Traversals that retrieve information from the nodes can rebase the coordinates from their containing region and return with a total order.